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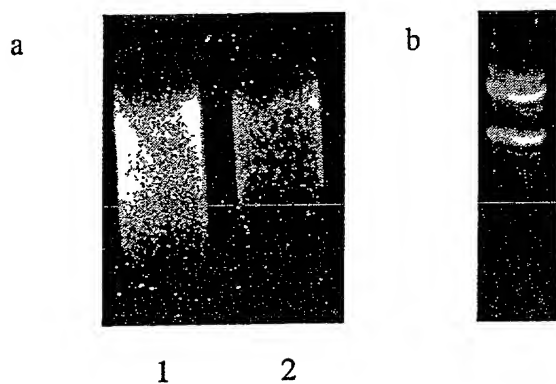


Figure 1

c

1. Alpha-1-antitrypsin
2. Bone Morphogenetic Protein 2
3. Cytokeratin 6
4. Lambda Light Chain

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Figure 2

RT-PCR for BMP-2 in Human Lung Tumors

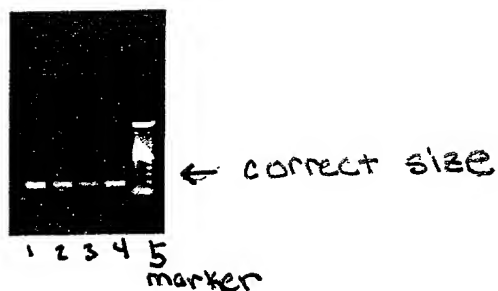
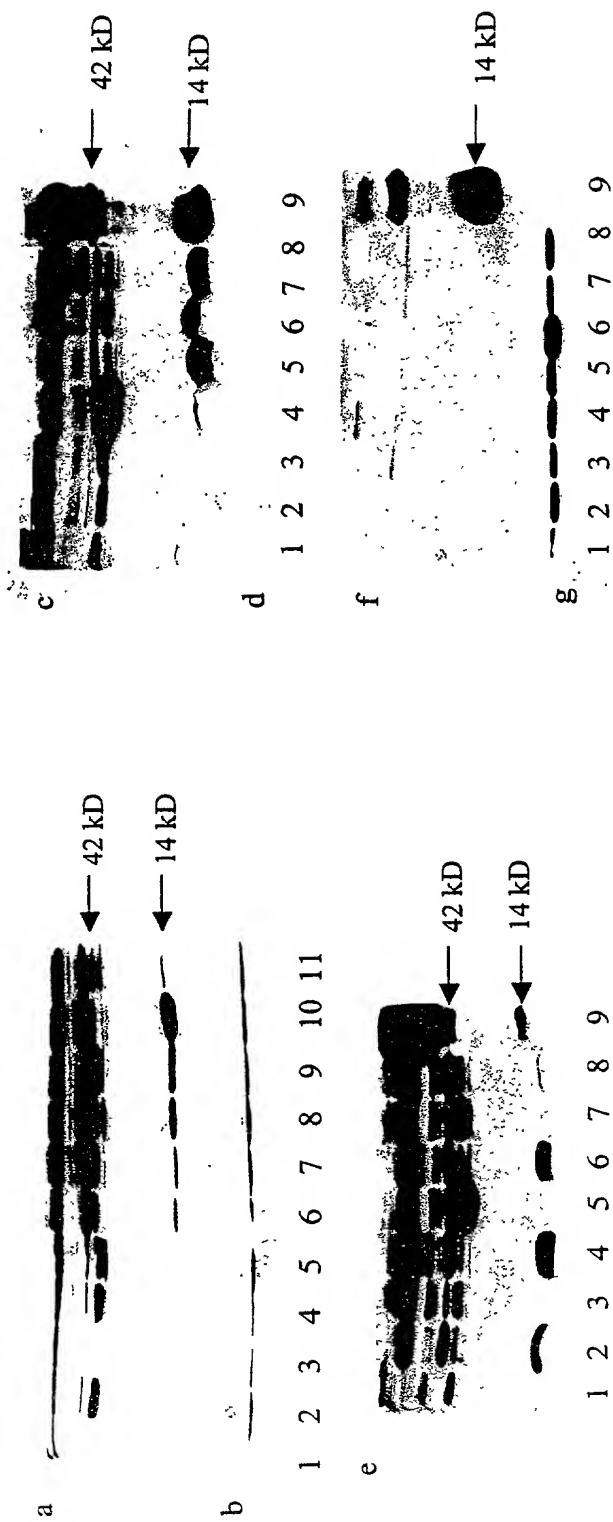
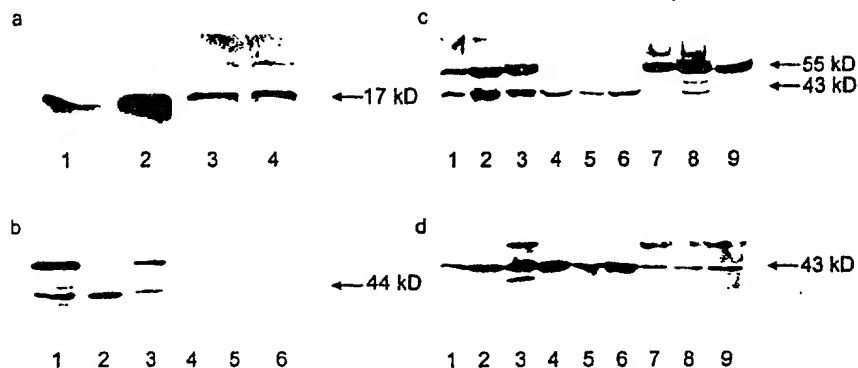


Figure 3



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Figure 4



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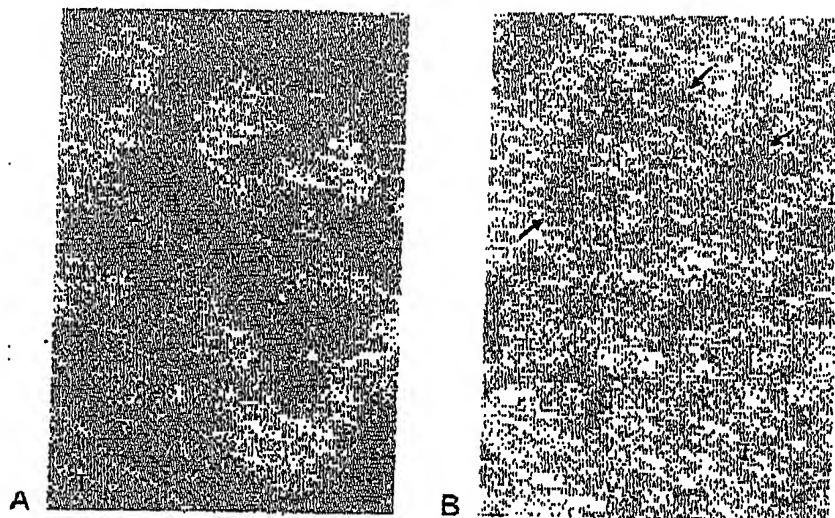


Figure 5

10044716.041102

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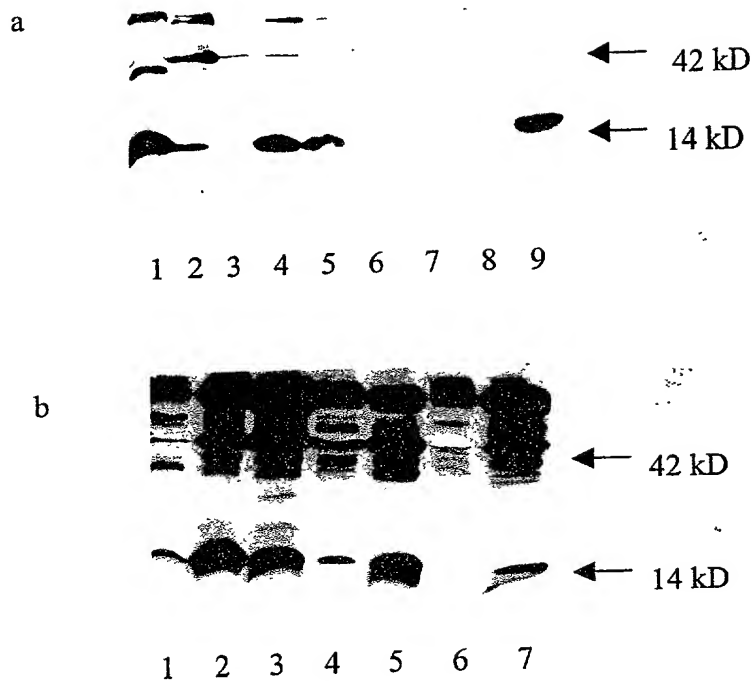


Figure 6

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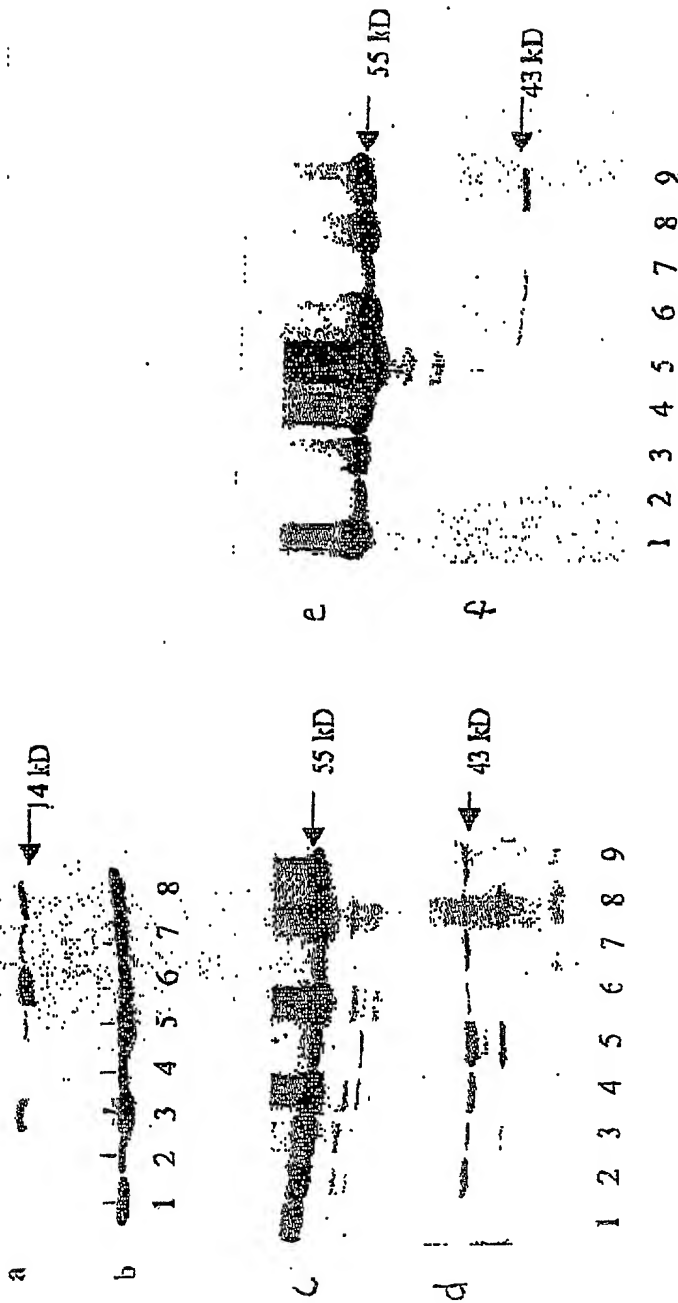
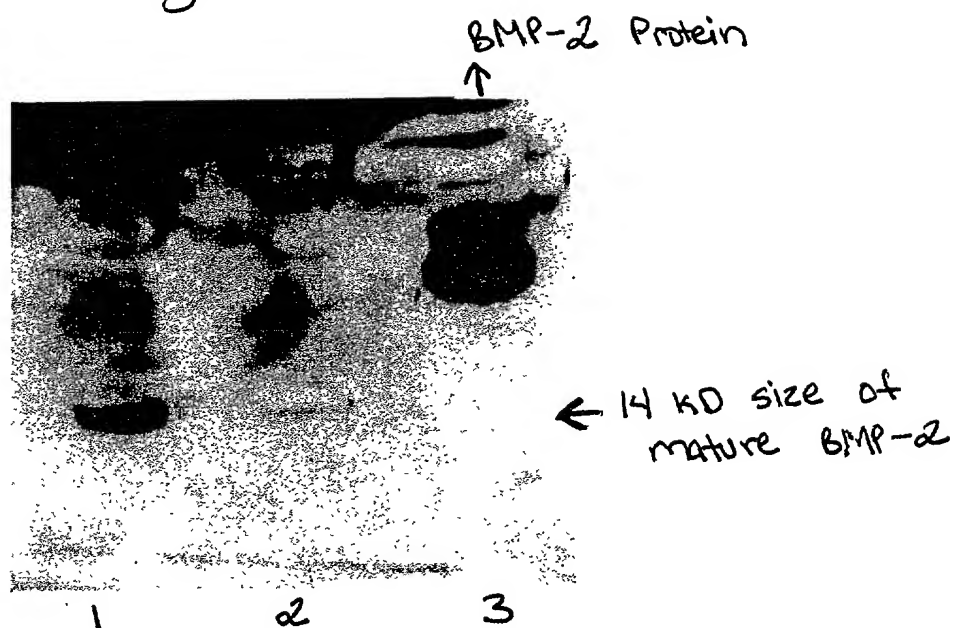


Figure 7

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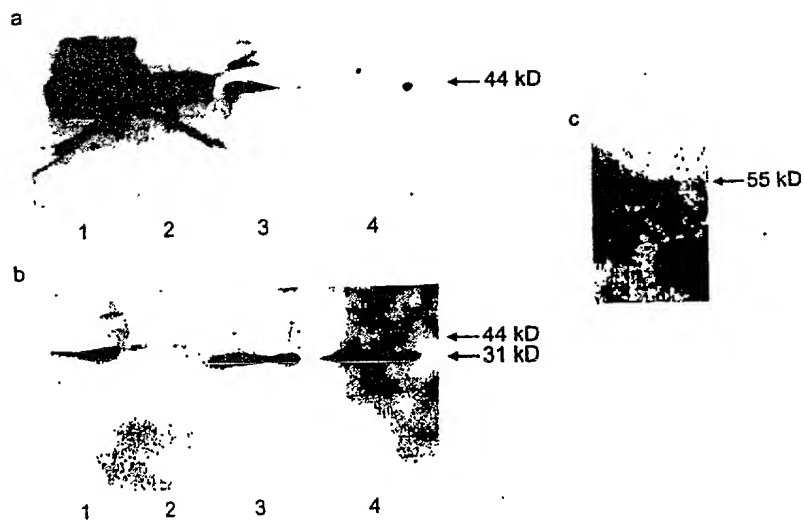
Figure 8



Western Blot of serum
samples of lung cancer patients

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Figure 9



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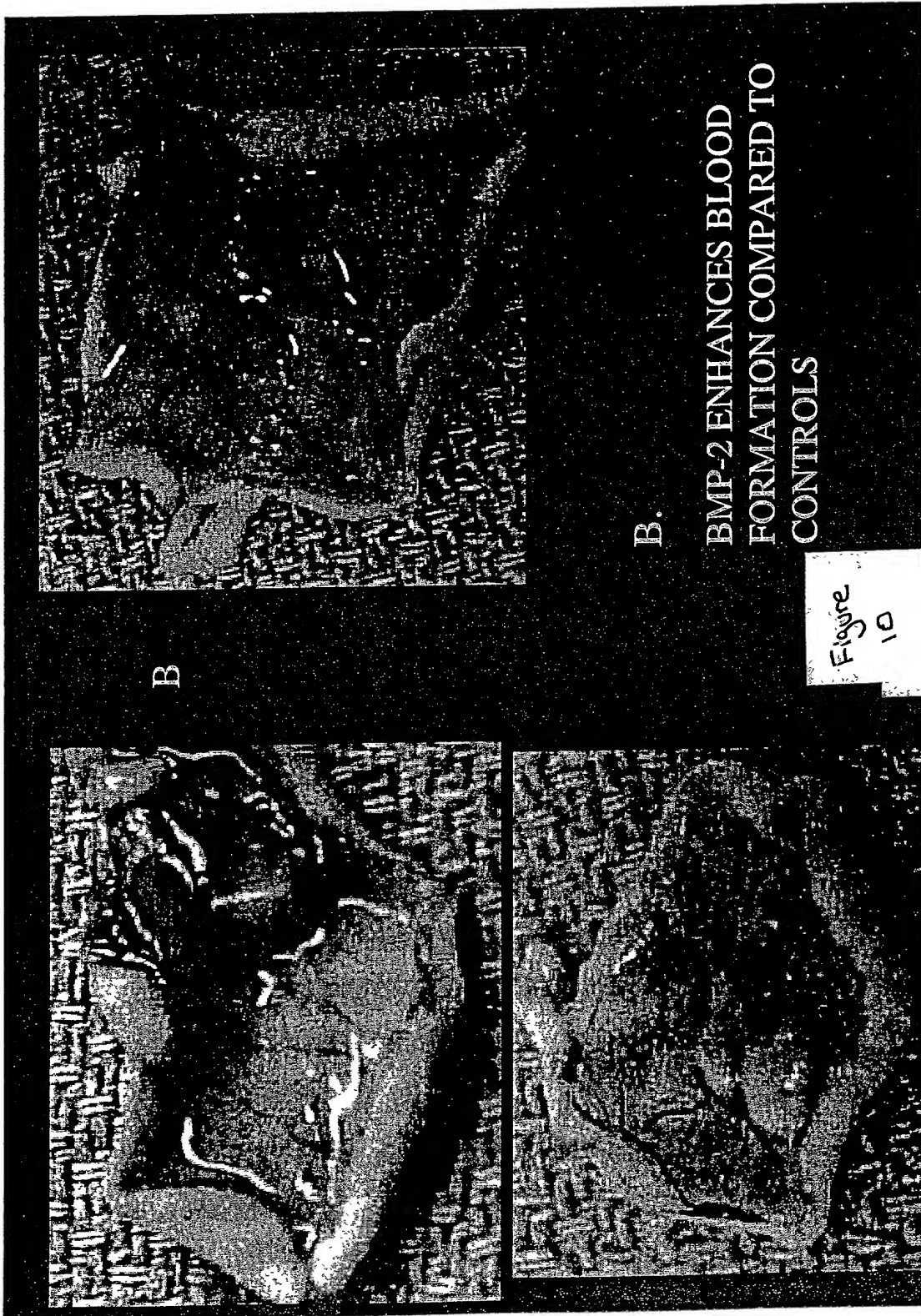
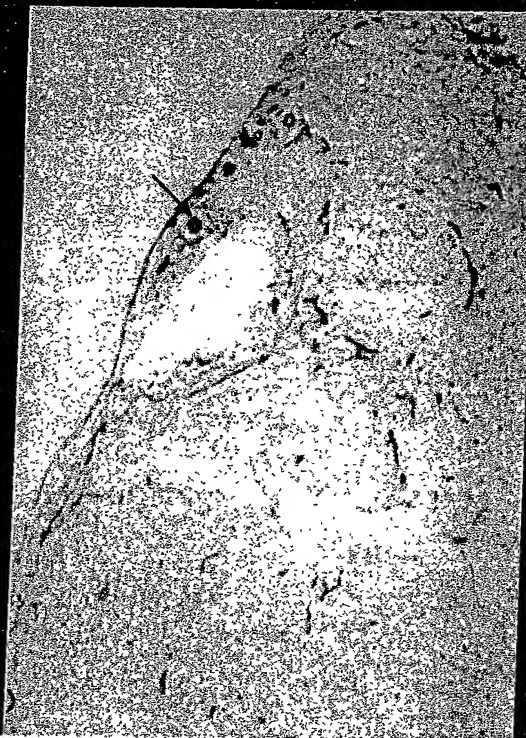
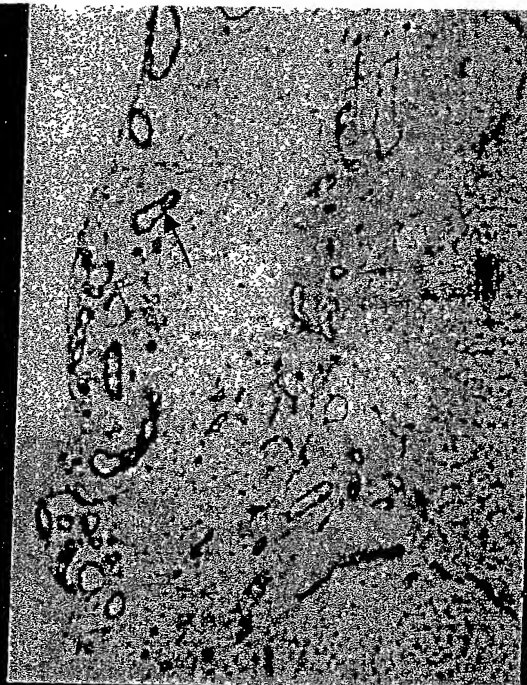


Figure
11

BMP-2 ENHANCES TUMOR VASCULATURE



CONTROL



BMP-2 TREATED

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20111001 09:24:00

BMP-2 REGULATES SONIC HEDGEHOG

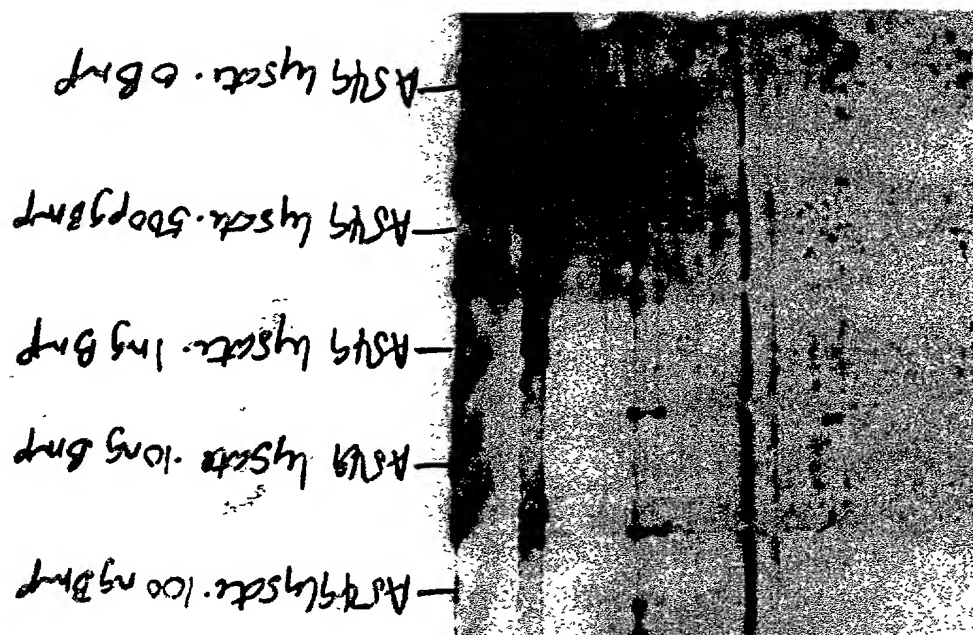
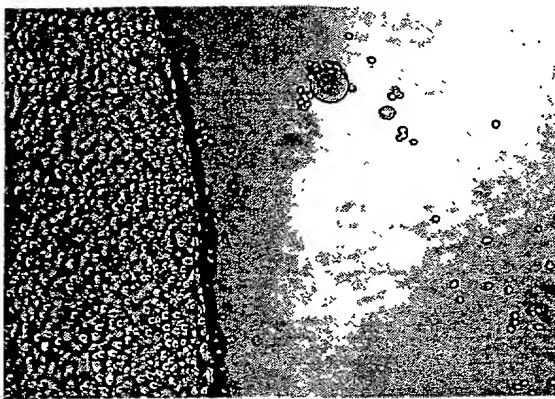
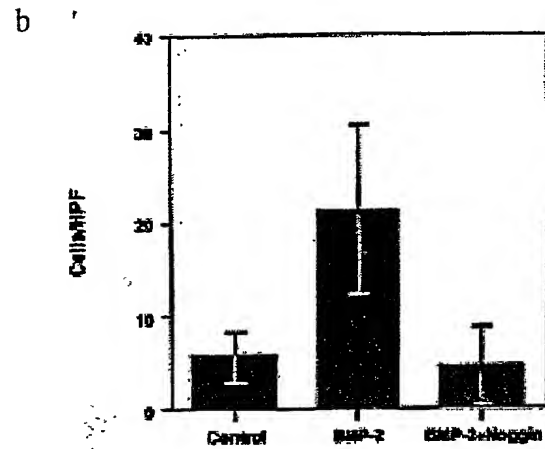
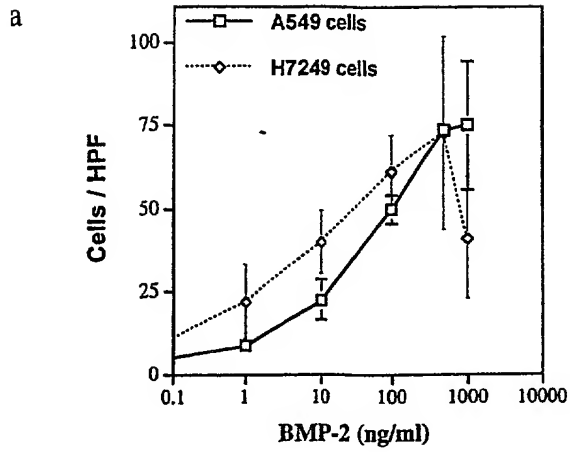


Figure
12



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d

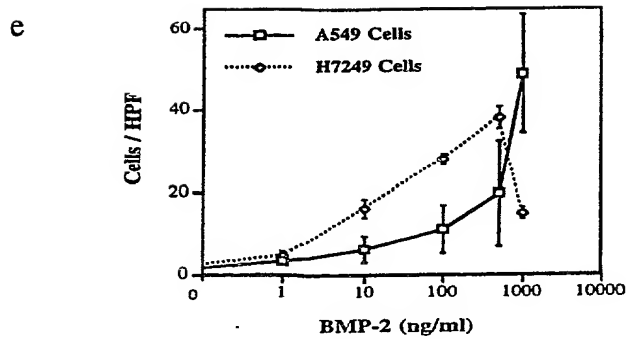
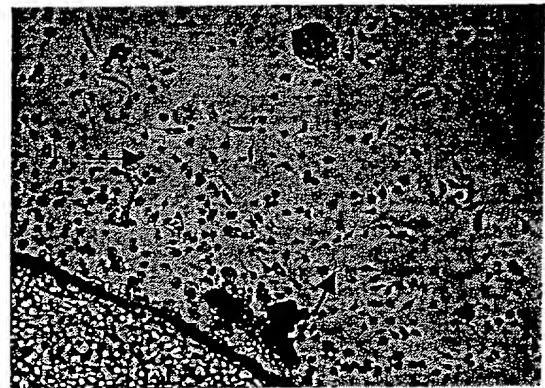
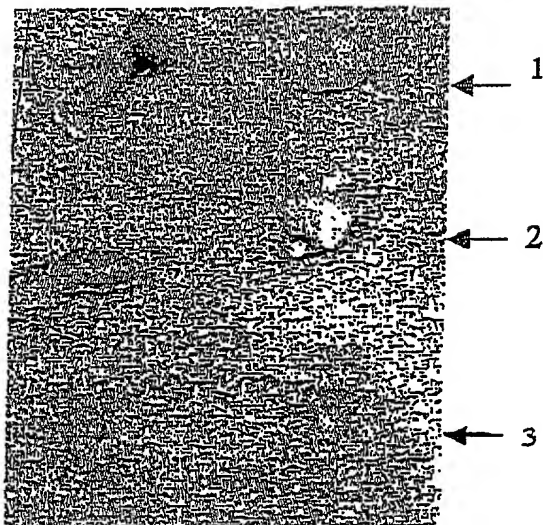


Figure 13

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a



control	BMP-2	noggin
100	149 ± 22*	42 ± 4.5*

Table #1: BMP-2 enhances tumor growth; while inhibition of BMP-2 decreases tumor growth. Data is reported as the mean ± SEM percentage of control. Data was analyzed by one way ANOVA and Newman-Keuls test (*p<.05).

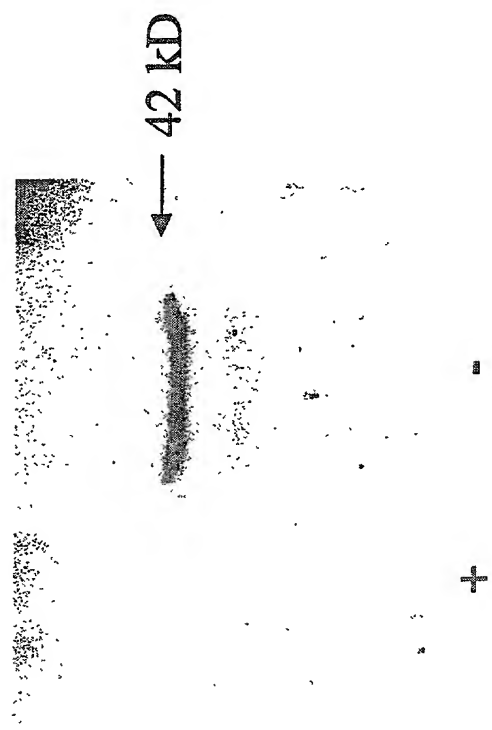
Figure 14

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NOT FOR PUBLICATION

NOGGIN INHIBITS VEGF EXPRESSION IN THE A549 LUNG CANCER CELL LINE

A. Western Blot



B. ELISA

	Secreted VEGF (ng/ml)
A540 + PBS	13,333
A549 + 300 ng/ml noggin	9,442
A549 + 500 ng/ml noggin	8,219

Figure 15